

Message Text

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TO AMEMBASSY MOSCOW

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TAGS: TGEN, US, UR

SUBJECT: US-USSR S&T AGREEMENT: PHYSICS: SEMINAR ON COSMIC
X-RAY SOURCES (01.0802)

1. PLEASE CONVEY THE FOLLOWING MESSAGE TO ZEL'DOVICH,
COPY TO ANISIMOV AND AYKAZAN, ON BEHALF OF S. SHAPIRO,
US SCIENTIFIC ORGANIZING SECRETARY, JOINT RESEARCH SEMINAR
ON COSMIC X-RAY SOURCES.

2. 01.0802 JUNE 14, 1977

ACADEMICIAN Y. B. ZEL'DOVICH
USSR ACADEMY OF SCIENCES
MOSCOW, U.S.S.R.

DEAR ACADEMICIAN ZEL'DOVICH:

GREETINGS TO YOU AND YOUR INSTITUTE COLLEAGUES.
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ORGANIZATION OF THE SCIENTIFIC CONTENT OF THE SEMINAR IS
UNDERWAY AMONG (POTENTIAL) US PARTICIPANTS. EACH PARTICI-
PANT HAS PREPARED (1) A LIST OF TITLES AND TOPICS FOR
(POSSIBLE) PRESENTATION AND DISCUSSION AND (2) A LIST OF
POTENTIALLY INTERESTING, BUT, AS YET UNSOLVED, SPECIFIC

PROBLEMS OF GENERAL INTEREST WHICH COULD SERVE AS FOCAL POINTS FOR INFORMAL DISCUSSIONS. A DETAILED SUMMARY WILL BE SENT TO YOU BY MAIL SHORTLY. PLEASE EXAMINE AND ADVISE US WHICH TOPICS AND PROBLEMS ARE OF INTEREST TO SOVIET PARTICIPANTS, TOGETHER WITH ALL SOVIET PROPOSALS. US PARTICIPANTS AND (SOME) PROPOSED TOPICS INCLUDE: J. ARONS (ACCRETION ONTO MAGNETIZED NEUTRON STARS (NS); PARTICLE ACCELERATION AND PROTON EMISSION FROM PULSARS); G. CLARK (RECENT SAS-3 X-RAY OBSERVATIONS - PULSATING BINARIES; GLOBULAR AND EXTRAGALACTIC SOURCES; VARIABILITIES IN CYG X-1 AND CIR X-1); D. EARDLEY (ACCRETION DISK MODELS FOR CYG X-1 AND MASSIVE BLACK HOLES (BH); THE BINARY PULSAR-RELATIVISTIC EFFECTS); B. FLANNERY (EVOLUTION OF X-RAY BINARY PROGENITORS; DUST SEDIMENTATION IN HI CLOUDS; FINE STRUCTURE RADIATIVE PUMPING); P. GOLDREICH (TIDAL DISSIPATION IN BINARIES; DENSITY WAVES; SOLAR OSCILLATIONS); D. LAMB (ACCRETION ONTO DEGENERATE DWARFS; ROLE OF NEUTRINOS IN SUPERNOVA AND NS COOLING; AMHERCULES-LIKE SYSTEMS); F. LAMB (NS MAGNETOSPHERES; MODELS FOR X-RAY BURST SOURCES; SOLID CORES IN NS-POSSIBLE EFFECTS); W. LEWIN (SAS-3 X-RAY OBSERVATIONS-BURST SOURCES; WORLD BURST-COVER RESULTS); A. LIGHTMAN (GLOBULAR CLUSTER DYNAMICS-BIRTH AND DEATH RATES (WITH PRESS), STAR COLLISIONS AND COALESCENCE, MULTICOMPONENT CORE COLLAPSE); D. PINES (NS STRUCTURE AND MASSES; TORQUE FLUCTUATIONS IN X-RAY ACCRETORS; COCOON BINARY MODEL FOR CYG X-3); W. PRESS (MODEL FOR GROWTH OF 2-POINT GALAXY CORRELATIONS (WITH LIGHTMAN); 1/F FLUCTUATIONS; ROTATING, GRAVITATING FLUIDS-STABLEST SHAPES); E. SALPETER (GALAXY STRUCTURE AND FOR-

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MATION; INTERSTELLAR MATTER-DISTRIBUTION AND TEMPERATURE); S. SHAPIRO (GRAVITATIONAL RADIATION FROM STELLAR (ELLIPSOIDAL) COLLAPSE; GLOBULAR CLUSTER DYNAMICS-ANGULAR MOMENTUM DISSIPATION; MASSIVE BHS).

SINCERELY,

STUART L. SHAPIRO
SCIENTIFIC ORGANIZING SECRETARY CHRISTOPHER

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Message Attributes

Automatic Decaptioning: X
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